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ABSTRACT

This publication is one of a six-part inventory of energy education materials. Included in this part is a listing of print materials, including the following: teacher's guides, curriculum guides, ditto masters, textbooks, pamphlets, and posters. For each of the materials listed, the following information is included when available: (1) Title; (2) Author; (3) Availability; (4) Cost; (5) Grade Level; (6) Related Materials; and (7) Evaluation of the material. (RH)

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ED 133 192

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e.e.m.i.

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NATIONAL INSTITUTE OF
EDUCATION

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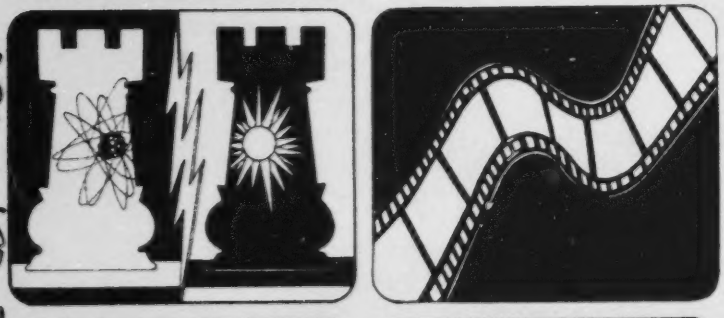
i.print materials



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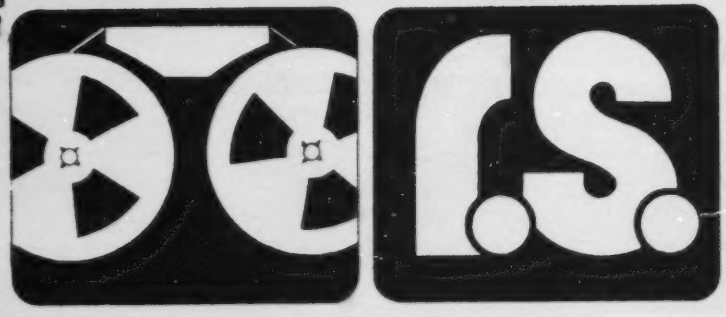

r.s. energy education materials inventory

e.e.m.i.

a six-part
Energy Education Materials Inventory,
prepared for the
Federal Energy Administration
by
Energy & Man's Environment, Inc.·

- John C. Jones, President
- Ilene Wright, Proj. Co-ord.
- Noel McInnis, Proj. Co-ord.

September, 1976

part one: print materials

ACKNOWLEDGEMENTS

The EEMI search for energy education materials depended on the active support and contributions of many individuals. The most deserving of recognition--the hundreds that responded to EEMI mailings--must remain unnamed. Regular EEMI advisors, Maggi Rogers, Leslie Wycoff, Dr. Peet Soot and Ray Theiss, provided creative ideas, valuable insight and patience. Special consultant, Dr. Jon Wert, won enduring appreciation for his conscientious work and humor. Tim Crean and Ed Sawyer at the National Energy Information Center distinguished themselves by searching and re-searching computerized data banks. FEA's representative, Rene Vawter, nurtured us with wise counsel and enthusiasm. Her support made the EEMI Project an enjoyable challenge. My personal gratitude and that of the EEMI staff is extended to Dr. John Jones, President of Energy & Man's Environment. His determination, bouyancy and drive gave us all strength. The EME office and field staff endured the disruption and day-to-day crises of this short-term, intensive project with smiles. Mary Madden and Vicki Blair of Blackwell/North America coordinated data processing with insight and sensitivity to the task. Last in this list, but first in my thoughts and feelings, the EEMI staff--Cheryl Glazer, Larry Israel and Noel McInnis. They ultimately did the daily ration of work by maintaining their good spirits with Cheryl's herb teas, Larry's laughter and Noel's not-so-inferior puns. My thanks to all of you. It's been a pleasure.

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EEMI Project Coordinator

COVER DESIGN AND GRAPHICS

by Larry B. Israel

Prepared for the

Federal Energy Administration

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September, 1976

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PRELUDE

Every realm of life is shaped and molded by energy flow
as most people learned rather abruptly
during the winter of energy scarcity, 1973-74.
Rising prices, unemployment, food shortages,
detente, embargo, the politics of the Middle East,
air pollution, brown-outs and 55 MPH signs
continually remind us of our energy-dependent existence
and the complex nature of our energy dilemma.

America's need for the skills and understanding
necessary to resolve energy problems
was met with a deluge of information, contradictory data,
public hearings, impact statements, new laws and judicial decisions.
Disagreements and only slight accord among THE experts
added seasoning and anxiety.
People wondered, "Is this fact?
Or is this opinion and interpretation?"

In the midst of this situation
private and governmental agencies sought
citizen contributions to policy and program formation.
At the same time attitudes toward decision making changed
from THE "right answer"
to "Based on what we know today...."

During three years of grappling with energy-related issues
Americans relearned that information and its meaning change from day to day.
Americans began to recognize
how little they knew,
how much both they and THE experts have to learn,
how rapidly information becomes obsolete,
how quickly yesterday's considered decisions are labeled mistakes.
As a result Americans sought
the perspectives, knowledge and skills
required to meet the challenges of living today.

Educators in every sector responded--no discipline was left untouched!
Using current information, and diverse perspectives and opinions,
educators began to teach the skills young people need
to process and keep up with enduring, evolving controversies
by using energy concerns as the basis for learning experiences.

The ENERGY EDUCATION MATERIALS INVENTORY
is the most comprehensive, available list of resources
for use by K-12 teachers and students
in pursuit of understanding and effective action within
the interdisciplinary energy dilemma.

Hopefully this INVENTORY will encourage
even more productive energy education.

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COMMENTARY ON BOOKLETS I-IV

WHAT WAS THE EEMI PROJECT? EEMI was designed to produce a thorough inventory of existing energy education materials and reference sources. It is intended that this systematic listing will provide educators with access to resources and will hasten the inclusion of energy-focused learning experiences in educational programs.

HOW IS THE INVENTORY ORGANIZED? There are six parts: Print Materials; Non-Print Materials-Part 1; Non-Print Materials-Part 2: 16 MM Films; Kits, Games and Miscellaneous Curricula; Reference Sources; and Indexes.

WHAT IS INSIDE? Citations are grouped into chapters by type of material (e.g., all 35 mm films are listed together). Within each chapter the citations are listed alphabetically by title.

WHAT IS IN A CITATION? Each citation contains the information normally used by libraries and book-buyers to purchase materials. A typical entry in Booklet I-IV follows:

1. Title and sub-titles
2. Author's name and initials
3. Imprint (city, publisher and year of publication)
4. Cost (if known)
5. (Grade) Level:
6. Accompanying materials, if any
7. Tested: (yes or no; no entry = unknown)

[1]*ENERGY LEARNING PACKET FOR ENERGY CONSERVATION AWARENESS. [2]COURREGES, E.M. [3]JACKSONVILLE, FL, DUVAL COUNTY SCH. BOARD, 1974. [4]$5.65 [5]LEVEL: 4-6 [6]STUDENT MATERIALS TEACHER'S GUIDE [7]TESTED: NO

ARE THERE EXCEPTIONS? Yes! Liberty was taken with the traditional imprint information. The actual distributor of the material was recorded if different than the publisher. Late entries are listed in addenda at the end of Booklets I, II and III.

AND FOR BOOKLETS V AND VI? Reference source entries are described at the beginning of Booklet V. The Indexes in Booklet VI cross-reference author's names and titles of materials to page numbers.

WHAT ELSE DO I NEED TO USE THIS INVENTORY? Booklets I-IV use library-style, bibliographic citations that do not include complete addresses. Use Books-In-Print catalogues, telephone books and/or information and directories compiled by libraries and book-buyers to obtain complete addresses.

WHO COMPILED THIS INVENTORY FOR FEA? Energy & Man's Environment, Inc. EME is a non-profit corporation serving America's educational communities. EME encourages and supports educators in their efforts to create an energy literate public.

ABBREVIATIONS

ADMIN.....ADMINISTRATION
AMER.....AMERICAN
ASSN.....ASSOCIATION
ASSOC.....ASSOCIATED
A-V.....AUDIO-VISUAL
&.....AND
BK.....BOOK
BKS.....BOOKS
BLDG.....BUILDING
BLVD.....BOULEVARD
BROS.....BROTHERS
CO.....COMPANY
CO-OP.....CO-OPERATIVE
COM.....COMMUNITY
CORP.....CORPORATION
CT.....COURT
CTR.....CENTER
DEV.....DEVELOPMENT
ED.....EDUCATION(AL)
ENCY.....ENCYCLOPEDIA
ENTP.....ENTERPRISES
EST.....ESTABLISHMENT
GOVT.....GOVERNMENT
INC.....INCORPORATED
IND.....INDUSTRIAL, INDUSTRY
INST.....INSTITUTE
INSTR.....INSTRUCTIONAL
INTL.....INTERNATIONAL
LAB.....LABORATORY
LTD.....LIMITED
MAG.....MAGAZINE
MFG.....MANUFACTURING
NATL.....NATIONAL
ORG.....ORGANIZATION
PROD.....PRODUCTION
PROG.....PROGRAM
PROJ.....PROJECT
PL.....PLACE
PUBL..... (PUB.,PUBS.)...PUBLISHER, PUBLISHING
R&D.....RESEARCH & DEVELOPMENT
RD.....ROAD
RR.....RAILROAD
RY.....RAILWAY
SCH.....SCHOOL
SCI.....SCIENCES
S.P.I.....SUPERINTENDENT OF PUBLIC INSTRUCTION
SQ.....SQUARE
ST.....STREET
THOS.(THM).....THOMAS
TR.....TERRACE
TV.....TELEVISION
UNIV.....UNIVERSITY
VOC.....VOCATIONAL

AN ASKERISK (*) IDENTIFIES
THOSE ITEMS KNOWN TO INCLUDE
AN ENERGY CONSERVATION PERSPECTIVE.

STANDARDIZATIONS

ABC/TV.....AMERICAN BROADCASTING COMPANY TELEVISION
BBC/TV.....BRITISH BROADCASTING COMPANY TELEVISION
CBS/TV.....COLUMBIA BROADCASTING SYSTEM TELEVISION
FEA.....FEDERAL ENERGY ADMINISTRATION
GM CORP.....GENERAL MOTORS CORPORATION
NASA.....NATIONAL AERONAUTICS & SPACE ADMINISTRATION
NBC/TV or NBC ED. ENTP.....NATIONAL BROADCASTING COMPANY EDUCATIONAL ENTERPRISES
U.S. AEC.....UNITED STATES ATOMIC ENERGY COMMISSION
U.S. ERDA-TIC.....UNITED STATES ENERGY RESEARCH & DEVELOPMENT ASSOCIATION-TECHNICAL INFORMATION CENTER
U.S. GPO.....UNITED STATES GOVERNMENT PRINTING OFFICE

teacher's guides

TEACHER'S GUIDE
A TRIAL INDUSTRIAL ARTS COURSE IN POWER. KANSAS 1972 SUMMER WKSHP. OF SECONDARY EXPLORATION OF TECHNOLOGY. KANSAS, INDEPENDENCE/BURLINGTON/ SWANEE MISSION HIGH SCHOOLS, 1972.
LEVEL: 7-12

A.G.A. TEACHING AIDS ABOUT GAS. AMER. GAS ASSN. ARLINGTON, VA, AMER. GAS ASSN.

*AMERICA RUNS ON ELECTRICITY: THE ENERGY CRISIS. ENVIRONMENTAL ED. CTR. GREEN, NC, ENVIRONMENTAL ED. CTR.
LEVEL: 5-9

ATOMIC ENERGY (CONCEPT IN SCI SERIES, SET 6) EYE GATE HOUSE. JAMAICA, NY, EYE GATE HOUSE, 1973.
FILM STRIP

BASIC ELECTRICITY: SCIENCE IN ACTION. CASSEL, R. HARRISBURG, PA, STATE DEPT. OF PUBLIC INSTR., 1967.
LEVEL: 7-9

BATTERIES & BULBS, BOOK 3, CIRCUITS II. ELEMENTARY SCI. STUDY. NEWTON, MA, ELEMENTARY SCI. STUDY, 1966.
LEVEL: 4-6

BIOLOGY, CHEMISTRY, PHYSICS: TEACHERS GUIDE, PART III. SCOTT, A., ET AL. PORTLAND, ORE, PORTLAND STATE UNIV. $14.59
LEVEL: 10-12

CAREERS IN ENERGY: THE ESSENTIAL CLUSTER, A SERIES. CAL INDUSTRIES. NEW YORK, WESTINGHOUSE LEARNING CORP., 1976.
LEVEL: 10-12
FILM STRIP

TEACHER'S GUIDE (CONT.)
COLLECTION OF RESOURCES FOR THE EDUCATOR CONCERNED ABOUT ENERGY. ENVIRONMENTAL STUDIES CTR. BOWLING GREEN, OTT., BOWLING GREEN STATE UNIV.

COMMUNITIES, A TEACHER'S GUIDE. SCI. CURRICULUM IMPROVEMENT STUDY. CHICAGO, RAND MCNALLY & CO., JULY, 71.

*CONSERVATION UNITS: MINERALS. TEXAS ED. AGENCY. AUSTIN, TX, TEXAS ED. AGENCY, 1970. $1.95

CONVERSION OF ENERGY. ENERGY & MAN'S ENVIRONMENT. PORTLAND, OR, ENERGY & MAN'S ENVIRONMENT, 1976.
LEVEL: K-12
TESTED: YES

COURSE OUTLINE FOR SECOND SIX WEEKS OF SCIENCE LEVEL III, TALENT PRESERVATION CLASSES. HOUSTON INDEPENDENT SCH. DIST. HOUSTON, TX, HOUSTON INDEPENDENT SCH. DIST., 1964. $1.95

*CREATE TOMORROW...TODAY: AN ENERGY AWARENESS PROGRAM. KENNEDY, D., ET AL. OLYMPIA, WASHINGTON STATE SPI, 1974.
LEVEL: 4-9

CUE (CULTURE, UNDERSTANDNING, ENRICHMENT): SCIENCE. BROWN, R.M., ET AL. ALBANY, NY, STATE ED. DEPT., 1964. $10.78
LEVEL: 7-9

*CURRICULUM RESOURCES FOR ENVIRONMENTAL PROGRESS, VOL. 1. KALAMAZOO NATURE CTR., INC. KALAMAZOO, MI, KALAMAZOO NATURE CTR., INC., 1976.
LEVEL: 7-12

TEACHER'S GUIDE (CONT.)

DOOMSDAY: 21ST CENTURY. PRENTICE-HALL MEDIA. TARRYTOWN, NY, PRENTICE-HALL MEDIA. $45.00SET
LEVEL: 7-12
FILM STRIP

EARTH, ENGINES AND INGENUITY: HISTORICAL SOURCES OF ENERGY. MULTI-MEDIA PROD. STANFORD, CA, MULTI-MEDIA PROD. $11.95 CASSETTE
LEVEL: 9-12
RECORD (DISC)
CASSETTE AUDIO-TAPE
FILM STRIP

EARTH SCIENCE SYLLABUS. NEW YORK STATE ED. SEPT. ALBANY, NY, NEW YORK STATE ED. SEPT., 1970. $3.32

EASY UNDERSTANDING OF ELECTRICITY: A GUIDE TEACHING ELECTRICITY EXPERIMENTALLY. TVA DIVISION OF POWER MARKETING. MUSCLE SHOALS, AL, TVA DIVISION OF POWER MARKETING.

*EFFICIENT ELECTRICITY USE: A HANDBOOK FOR AN ENERGY CONSTRAINED WORLD. SMITH, C.B., ED. ELMSFORD, NY, PERGAMON PRESS, 1976.
LEVEL: 7-12

ELECTRICAL ENERGY. DOUBLEDAY MULTIMEDIA. SANTA ANA, DOUBLEDAY MULTIMEDIA, 1974. $23.50
LEVEL: 4-8
8 MM FILM

ELECTRICAL ENERGY. SOCIETY FOR VISUAL ED. CHICAGO, SOCIETY FOR VISUAL ED., 1974.
FILM STRIP

ELECTRICAL ENERGY (CONCEPT IN SCI. SERIES, SET 6) EYE GATE HOUSE. JAMAICA, NY, EYE GATE HOUSE, 1973.
FILM STRIP

TEACHER'S GUIDE (CONT.)

ELECTRICAL ENERGY: HOW WE CONVERT IT. GENERAL ED. MEDIA. GREAT NECK, NY, GENERAL ED. MEDIA, 1974.
FILM STRIP

ELECTRICITY FROM WATER AND GRAVITY. DOUBLEDAY MULTIMEDIA. SANTA ANA, DOUBLEDAY MULTIMEDIA, 1974.
8 MM FILM

ELECTRICITY IN OUR LIVES. TROLL ASSOC. MAHWAH, N.J., TROLL ASSOC., 1973.
8 MM FILM

ENERGY. DOUBLEDAY MULTI-MEDIA. IRVINE, CA, DOUBLEDAY MULT-MEDIA. $178.00
LEVEL: 4-9
FILM LOOP

ENERGY. OXFORD FILMS. LOS ANGELES, OXFORD FILMS, 1974.
LEVEL: 1-6
16 MM FILM

ENERGY: A STUDY OF RESOURCES. Q + ED PRODUCTIONS. BURBANK, Q + ED PRODUCTIONS, 1974. $110.50-PHONODISC
LEVEL: 7-12
FILM STRIP

*ENERGY ACTIVITY GUIDE. ENERGY & MAN'S ENVIRONMENT. PORTLAND, OR, ENERGY & MAN'S ENVIRONMENT, 1976.
LEVEL: K-12
TESTED: YES

ENERGY ACTIVITY GUIDE. BULL, A., ET AL. ARLINGTON, VA, NATL. RECREATION & PARK ASSN. FREE
LEVEL: 7-12

ENERGY AND POWER. CTR. FOR ENVIRONMENTAL LEARNING. COCOA, FL, BREVARD COUNTY SCH.

TEACHER'S GUIDE (CONT.)

ENERGY CHALLENGE. HEARST METROTANE NEWS. NEW YORK, HEARST METROTANE NEWS, 1973.
16 MM FILM

*ENERGY CONSERVATION. DOUBLEDAY. NEW YORK, DOUBLEDAY. $23.50
LEVEL: 4-8
FILM LOOP

*ENERGY CONSERVATION. SWANSON, S. MINNEAPOLIS, UNIV. OF MINNESOTA.
LEVEL: K-3

*ENERGY CONSERVATION IN THE HOME. B.C. HYDRO & POWER AUTHORITY. VANCOUVER, B.C., B.C. HYDRO & POWER AUTHORITY.
SLIDES

ENERGY CONVERSION. DOUBLEDAY MULTIMEDIA. SANTA ANA, DOUBLEDAY MULTIMEDIA, 1973.
8 MM FILM

ENERGY CRISIS. XEROX FILMS. MIDDLETOWN, CN, XEROX FILMS, 1973.
16 MM FILM

ENERGY CRISIS: IMPACT ON VALUES & LIFESTYLES. CURRENT AFFAIRS FILMS. WILTON, CT, CURRENT AFFAIRS FILMS, 1974. $22.00
LEVEL: 7-12
COLOR SOUND FILMSTRIP W/CASSETTE & DISCUSSION GUIDE
FILM STRIP
TESTED: YES

ENERGY: CRISIS & RESOLUTION. MORELAND- LATCHFORD. NILES, IL, UNITED LEARNING, 1974. $14.50 EA.
LEVEL: 6-10
FILM STRIP

TEACHER'S GUIDE (CONT.)

ENERGY CRISIS: THE NUCLEAR ALTERNATIVE. ABC NEWS. NEW YORK, ABC NEWS. $550.00
LEVEL: 9-12
16 MM FILM

ENERGY CRISIS, V. 1 & 2, 1974-75. SOBEL, L.A. FACTS ON FILE, INC. $14.95/SET
LEVEL: 10-12

ENERGY & ENVIRONMENT GLOSSARY. ENERGY & MAN'S ENVIRONMENT. PORTLAND, OR, ENERGY & MAN'S ENVIRONMENT, 1976.
LEVEL: K-12
TESTED: YES

ENERGY FLOW IN A COMMUNITY. SOCIETY FOR VISUAL ED. CHICAGO, SOCIETY FOR VISUAL ED., 1973.
FILM STRIP

ENERGY FOR THE FUTURE. ENCY BRITANNICA ED. CORP. CHICAGO, ENCY BRITANNICA ED. CORP, 1974. $220.00
LEVEL: 9-12
16 MM FILM

*ENERGY: HERE TODAY-GONE TOMORROW. EYE GATE HOUSE. JAMAICA, NY, EYE GATE HOUSE, 1974. $42.65
LEVEL: 4-9
FILM STRIP

ENERGY: IMPACT ON VALUES AND LIFESTYLES. CURRENT AFFAIRS. WILTON, CT, CURRENT AFFAIRS, 1974. $22.00 WITH CASSETTE
LEVEL: 7-12
FILM STRIP

ENERGY: KEY TO DEVELOPMENT. EMC CORP. ST. PAUL, MN, EMC CORP., 1974.
FILM STRIP

ENERGY: MAKING THINGS GO. PATHESCOPE. NEW ROCHELLE, NY, PATHESCOPE. $25.00
LEVEL: 4-6
FILM STRIP

TEACHER'S GUIDE (CONT.)
ENERGY & MAN'S ENVIRONMENT: SOURCES, FUTURE, CONVERSION, USES, LIMITS, IMPACTS (LEARNING ACTIVITY PACKETS) ENERGY & MAN'S ENVIRONMENT, INC. PORTLAND, OR, ENERGY & MAN'S ENVIRONMENT, INC., 1976.
LEVEL: K-12
TESTED: YES

ENERGY & OUR ENVIRONMENT. CORONET INSTR. MEDIA. CHICAGO, CORONET INSTR. MEDIA, 1975. $50.00-CASSETTE
LEVEL: 5-12
FILM STRIP

ENERGY SOURCES, PRESENT AND FUTURE. LANSFORD PUBL. CO. SAN JOSE, LANSFORD PUBL. CO., 1975.
LEVEL: 7-12
TRANSPARENCY

ENERGY SOURCES, TEACHER'S GUIDE. KARPLUS, R. CHICAGO, RAND-MCNALLY & CO., JUNE 1971.

ENERGY: THE CONTINUING CRISIS; NUCLEAR POWER, THE PROMISE & THE PERIL; POWER WITHOUT END; SWITCH ON THE SUN. XEROX FILMS. MIDDLETOWN, CT, XEROX FILMS. $215900-$270.00 EA.
LEVEL: 5-9
16 MM FILM

ENERGY: THE DILEMMA; THE NUCLEAR ALTERNATIVE; NEW SOURCES; LESS IS MORE. CHURCHILL FILMS. LOS ANGELES, CHURCHILL FILMS. $940.00 (SERIES PRICE)
LEVEL: 7-12
FOUR 16 MM FILMS

ENERGY & THE EARTH. LYCEUM. LAGUNA BEACH, CA, LYCEUM. $43.00-CASSETTE
LEVEL: 7-12
FILM STRIP

TEACHER'S GUIDE (CONT.)
ENERGY & THE ENVIRONMENT. MACMILLAN PUB. CO. NEW YORK, MACMILLAN PUB. CO., 1974. $79.00 (SERIES PRICE)
LEVEL: 5-9
FILM STRIP

ENERGY: THE KEY TO MAN'S GREATEST GOALS, GROUP I & II. SOCIETY FOR VISUAL ED. CHICAGO, SOCIETY FOR VISUAL ED., 1974. $42.75-CASSETTE
LEVEL: 7-9
CASSETTE AUDIO-TAPE
RECORD (DISC)
FILM STRIP

*ENERGY & THE SCHOOLS: STUDENTS "AS ENERGIZED AS YOU CAN GET" OLDHAM, N. B., ED. WATERFORD, CT, CROFT, NEI, 1974.

ENERGY: TRANSACTIONS IN TIME. DOUBLEDAY MULTIMEDIA. SANTA ANA, DOUBLEDAY MULTIMEDIA, 1974.
CASSETTE VIDEO-TAPE
FILM STRIP

ENERGY: WHAT LIES AHEAD? SOCIETY FOR VISUAL ED. CHICAGO, SOCIETY FOR VISUAL ED., 1974.
FILM STRIP

ENERGY & YOU. SOCIETY VISUAL ED., CHICAGO, SOCIETY VISUAL ED. $67.50 (SERIES PRICE)-DISC
LEVEL: K-8
FILM STRIP

*ENERGY & YOU: CONSERVING ENERGY. VISUAL ED. CONSULTANTS, INC. MADISON, WI, VISUAL ED. CONSULTANTS, INC., 1973.
FILM STRIP

ENVIRONMENT & POPULATION: A SOURCEBOOK FOR TEACHERS. NATL. ED. ASSN. WASHINGTON, DC, NATL. ED. ASSN. $3.75

TEACHER'S GUIDE (CONT.)
ENVIRONMENTAL EDUCATION GUIDE. PROJECT I-C-E. GREEN BAY, WI., PROJECT I-C-E.
LEVEL: K

ESC 399, MODULE 1: UTILIZATION OF SCIENCE EQUIPMENT. RICKER, K.S. COLUMBUS, OHIO STATE UNIV. (ERIC/SMEAC) ED113185SE019709, 1970.

FORCE. DOUBLEDAY MULTI-MEDIA. SANTA ANA, CA, DOUBLEDAY MULTI-MEDIA. $178.00
LEVEL: 4-9
FILM LOOP

FORCES MAKE FORMS. KINEK PROD. STUDIO CITY, CA, FILM FAIR COMMUNICATIONS, 1974. $165.00
16 MM FILM

FUEL CELLS. WEAVER, E.C. ARLINGTON, VA, AMER. GAS ASSN. ED. SVCS., FEBRUARY, 1971.
LEVEL: 7-9
FILM STRIP
TESTED: YES

FUEL FOR YOUR CAR. ED. PROJECTIONS CORP. GLENVIEW, IL, ED. PROJECTIONS CORP., 1972.
LEVEL: 3
FILM STRIP

FUTURE SOURCES OF ENERGY. ENERGY & MAN'S ENVIRONMENT. PORTLAND, OR, ENERGY & MAN'S ENVIRONMENT, 1976.
LEVEL: K-12
TESTED: YES

GEOTHERMAL ENERGY. RUHLE, J.L., & ASSOC. FULLERTON, CA, RUHLE, J.L., & ASSOC., 1972.
SLIDES

TEACHER'S GUIDE (CONT.)
HANDBOOK FOR CITIZEN'S WORKSHOPS ON ENERGY & THE ENVIRONMENT. OAK RIDGE ASSOC. UNIV. WASHINGTON, U.S. AEC, 1973-74.
LEVEL: 10-12

HEAT, ENERGY & ORDER. PORTLAND PROJECT COMMITTEE. PORTLAND, OR, PORTLAND STATE UNIV., 1970.
LEVEL: 10-12

HEATING: THERMAL INSULATION. B.C. HYDRO & POWER AUTHORITY. VANCOUVER, B.C., B.C. HYDRO "EDUCATIONAL COLOUR SLIDE LIBRARY"
SLIDES

"HOW THE JET ENGINE WORKS" CROSS, B. ARLINGTON, VA, AMER. GAS ASSN. ED. SVCS., APRIL, 1969.
LEVEL: 6-10
FILM STRIP
TESTED: YES

*HOW TO SAVE ELECTRICITY. ENCORE VISUAL ED. BURBANK, ENCORE VISUAL ED., 1974. $18.50
LEVEL: 5-12
FILM STRIP

HUMAN ISSUES IN SCIENCE, UNIT II: ENERGY. MAXWELL, S. ENGLEWOOD CLIFFS, NJ, SCHOLASTIC BK. SVCS., 1975. $69.50
LEVEL: 7-12
FILM STRIP
TESTED: YES

LAST PONY MINE. FILM PRODUCTION UNIT. AMES, IOWA STATE UNIV., 1973.
LEVEL: 7-12
16 MM FILM

LEARNING ABOUT HEAT (2ND ED.) ENCY BRITANNICA ED. CORP. CHICAGO, ENCY BRITANNICA ED. CORP., 1974. $220.00
LEVEL: 6-9
16 MM FILM

TEACHER'S GUIDE (CONT.)
LIFE SCIENCES, PART 1.
DUVAL COUNTY SCH. BD.
JACKSONVILLE, FL, DUVAL COUNTY SCH. BD., 1969.
LEVEL: 7-9

LIGHT TRAVELS THROUGH SPACE.
DOUBLEDAY MULTI-MEDIA.
IRVINE, CA, DOUBLEDAY MULTI-MEDIA, 1974.
$25.00
LEVEL: 4-9
FILM LOOP

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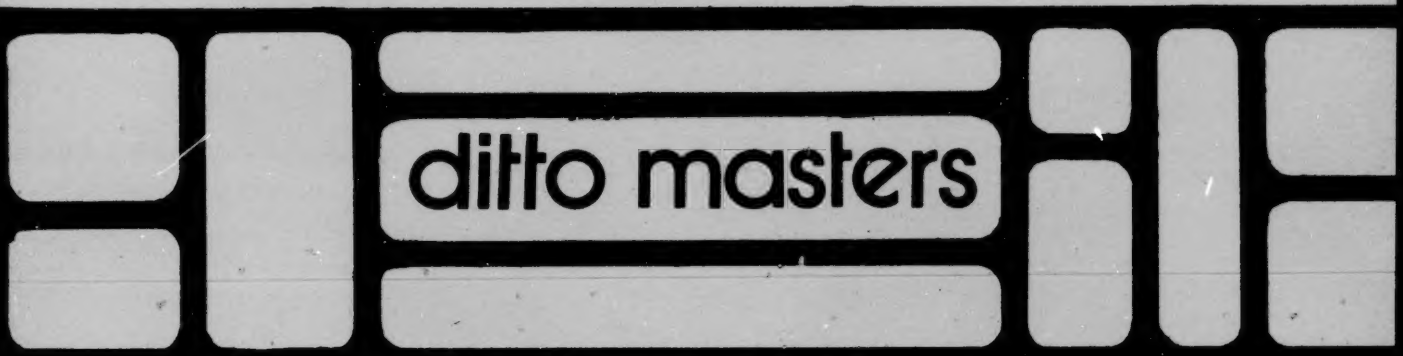
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LEVEL: 7-12

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LEVEL: 1-3
TESTED: YES

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LEVEL: 10-12

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LEVEL: 7-12
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LEVEL: 5-8

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LEVEL: 10-12

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LEVEL: 1-3
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LEVEL: 1-6

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LEVEL: 10-12

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LEVEL: 10-12
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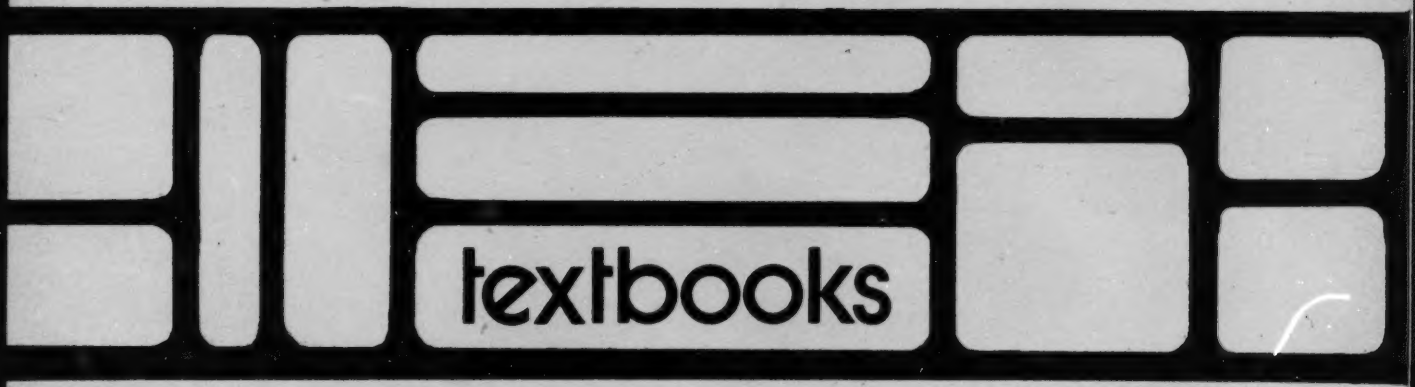
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- CHAPTER 1: THE WEB OF LIFE
- CHAPTER 12: BIOENERGETICS
- CHAPTER 20: MAN IN THE WEB OF LIFE

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- SECTION 4-12 WHAT CAUSES THE TIDES?
  - CHAPTER 5: FIELDS AND FORCES
  - CHAPTER 6: ENERGY FLOW
  - CHAPTER 7: ENERGY AND AIR MOTION
- SECTION 10-3: THE SEA AND THE ATMOSPHERE: EXCHANGE MATTER AND ENERGY
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  - 10-5, 10-6, 10-7

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- SECTION 8:5 MINERAL FUELS
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  - CHAPTER 19: THE ENVIRONMENT

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- CHAPTER 25: CONSERVATION

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- IDEA 5, INVESTIGATION 6: THE LITTLE OLD HEATMAKER
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- IDEA 3, ENERGY
  - INVESTIGATION 1: I COULD WATCH IT BY THE HOUR
  - INVESTIGATION 2: IT'S ALWAYS WORK
  - INVESTIGATION 3: THERE MUST BE AN EASIER WAY
  - INVESTIGATION 4: IS THIS ON THE LEVEL?
  - INVESTIGATION 5: HEAT MAKES WORK AND WORK MAKES HEAT AND...
  - INVESTIGATION 6: STOP FUELIN' AROUND
  - INVESTIGATION 7: GO MAD WITH POWER
  - INVESTIGATION 8: DON'T LET IT RUB OFF ON YOU
  - INVESTIGATION 9: BUT YOU CAN'T GET SOMETHING FOR NOTHING
- IDEA 4, INTERACTION, MATTER AND ENERGY
  - INVESTIGATION 1: NOTHING IS FOREVER
  - INVESTIGATION 2: IT'S A BREEZE
  - INVESTIGATION 9: IT GETS LATE TOO EARLY
- IDEA 5, TECHNOLOGY
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- CHAPTER 16: WHERE IS THE HEAT?
- CHAPTER 17: POTENTIAL ENERGY
- CHAPTER 18: POTENTIAL ENERGY ON THE ATOMIC SCALE
- CHAPTER 19: KINETIC ENERGY
- CHAPTER 20: THE CONSERVATION OF ENERGY
- CHAPTER 21: ENERGY: A GLOBAL VIEW

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CHAPTER 12, AND
EXCURSION 23, 24: USE YOUR INFLUENCE
CHAPTER 4: WEIGHT AND UNITS OF FORCE
CHAPTER 5: ANOTHER NAME FOR INFLUENCE
EXCURSION 9: A FORCE-MULTIPLYING MACHINE
EXCURSION 10: MORE PULLEYS
CHAPTER 7: EXPERIMENTING WITH FRICTION
CHAPTER 8: WHAT ABOUT ENERGY?
CHAPTER 9: ENERGY OF MOTION
EXCURSION 19: ANOTHER WAY TO MEASURE KINETIC ENERGY
CHAPTER 10: MEASURING CHANGING ENERGY
CHAPTER 11: OTHER WAYS OF DOING WORK
CHAPTER 13: BUILDING AN ELECTRICITY MEASURER
EXCURSION 26: TRAFFIC LAWS FOR ELECTRICITY
CHAPTER 15: USING YOUR ELECTRICITY MEASURER
EXCURSION 27: MAGNETIC EFFECT WITH A COIL
EXCURSION 28: MOTION WITHOUT MOVING
EXCURSION 30: CHECKING ON AMPERS
EXCURSION 31: THE UNUSUAL AMPERS
CHAPTER 16: MEASURING ELECTRICAL ENERGY
EXCURSION 34: HOW MUCH ENERGY IS MOVED?
EXCURSION 35: WHAT'S POWER?
EXCURSION 36: MEASURING RESISTANCE
CHAPTER 17: HOW MUCH WORK CAN ELECTRICITY DO?
EXCURSION 37: BUILDING YOUR OWN MOTOR
EXCURSION 38: HOW EFFICIENT IS YOUR MOTOR?
EXCURSION 39: KITES, FROGS, AND SILVER PLATES
CHAPTER 18: BUILDING A "HEAT MEASURER"
EXCURSION 42: WHAT IS A CALORIE?
EXCURSION 43: THE NEGATIVE CALORIE DIET
EXCURSION 44: SPECIFIC HEAT

ISCS LEVEL 2, PROBING THE NATURAL WORLD. MORRISTOWN, NJ; SILVER BURDETT, 1970
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CHAPTER 14: A HOT WAY TO CHANGE RATE
CHAPTER 15: ANOTHER RATE CHANGER
CHAPTER 18: ELECTRICITY AND CHANGES IN MATTER
CHAPTER 19: IS ENERGY WHERE THE ACTION IS?
CHAPTER 21: FISH CAN'T COUNT BUT DO THEY ADD A LITTLE?
CHAPTER 24: CAPITALIZING ON CALORIES
EXCURSION 11-1: MORE ABOUT GAS BUT NOT THE LAST
EXCURSION 11-3: ELECTROLYTES LIGHT
EXCURSION 15-1: A REAL FIZZLER
EXCURSION 19-1: ENERGY AT WORK
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EXCURSION 7-1: POWER

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SECTION 9: INTRODUCTION TO THE MOTION AND ENERGY SECTION
INVESTIGATION 9:1 ANALYSIS OF MOMENTUM
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SECTION 13: ENERGY CONVERSION
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SECTION 5: HOW FOOD IS USED
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SECTION 11.3: DYNAMIC EQUILIBRIUM
SECTION 19.2: HEAT OF REACTION
SECTION 19.3: HEAT OF FORMATION
SECTION 19.5: HEAT OF COMBUSTION
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CHAPTER 5: THE FORCE CALLED GRAVITY
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CHAPTER 8: MAGNETIC FORCES AND STATIC ELECTRICAL FORCES
CHAPTER 9: HEAT ENERGY
CHAPTER 10: LIGHT ENERGY
CHAPTER 11: SOUND ENERGY
CHAPTER 12: ELECTRICAL ENERGY

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LEVEL: 10-12

COAL: ENERGY & CRISIS. CHAFFIN, L.D. EAU CLAIRE, WI, HARVEY, 1974. $3.99
LEVEL: 3-5
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LEVEL: 10-12

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LEVEL: 8-12
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LEVEL: 7-9

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LEVEL: 10-12

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LEVEL: 7-9

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TEACHER'S GUIDE EACH

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LEVEL: 9-12

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LEVEL: 7-12
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LEVEL: 10-12
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LEVEL: 10-12

PROBING THE NATURAL WORLD, VOLUME 1. BURKMAN, E. MORRISTOWN, NJ, SILVER BURDETT CO., 1970. $4.95
LEVEL: 7

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SOLAR ENERGY TECHNOLOGY & APPLICATIONS. WILLIAMS, J.R. ANN ARBOR, MI, ANN ARBOR SCI. PUBL. INC., 1974. $6.95
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YOU & TECHNOLOGY, A HIGH SCHOOL CASE STUDY TEXT. DAMASKOJ, N.J. COLUMBUS, OH, ERIC/SMEAC, AUG. 1969. LOAN
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LEVEL: 2-4

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LEVEL: 4-6

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LEVEL: 7-12

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LEVEL: 6-12

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LEVEL: 10-12

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LEVEL: 7-9

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LEVEL: 7-12

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LEVEL: 10-12
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LEVEL: 7-9
LEVEL: 10-12 ADULTS

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LEVEL: 7-12

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LEVEL: 10-12

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LEVEL: 7-10

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LEVEL: 10-12

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LEVEL: 10-12

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LEVEL: K-3

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LEVEL: K-3

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LEVEL: 3-5

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LEVEL: 3-5

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LEVEL: K-3

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LEVEL: K-3

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LEVEL: 7-10

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LEVEL: 7-9
FILM STRIP
TESTED: YES

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LEVEL: 10-12

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LEVEL: 4-6

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MAGNETS. FERAVOLA, R.V. SCARSDALE, NY, GARRARD, 1960. $3.40
LEVEL: 9-12

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LEVEL: 2-4

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LEVEL: 4-9

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LEVEL: 4-12

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LEVEL: 4-6

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LEVEL: 7-12

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LEVEL: 5-9

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LEVEL: 10-12

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LEVEL: 7-12

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LEVEL: 2-5

MORE POWER TO KIDS. PUBLIC SVC. CO. OF COLORADO. DENVER, PUBLIC SVC. CO. OF COLORADO.
LEVEL: 6-9

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MORE POWER TO YOU: A SHORT HISTORY OF POWER FROM THE WINDMILL TO THE ATOM. SCHNEIDER, N. NEW YORK, SCOTT, 1953. $3.95
LEVEL: 3-6

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LEVEL: 4-8

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LEVEL: 2-4

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LEVEL: 10-12

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LEVEL: 7-10

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LEVEL: 7-10

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LEVEL: 4-6

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LEVEL: 4-12

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LEVEL: 5-8

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LEVEL: 7-10

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LEVEL: 5-8

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LEVEL: 1-6

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LEVEL: 5-9

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VIDEO-TAPE

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LEVEL: 10-12

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LEVEL: 8-12

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LEVEL: 10-12

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LEVEL: 10-12

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LEVEL: 8-12

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LEVEL: 10-12

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LEVEL: 4-6

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LEVEL: 5-9

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LEVEL: 5-9

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LEVEL: 3-5

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LEVEL: 7-12

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LEVEL: 6-9
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LEVEL: 10-12

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LEVEL: 7-12

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LEVEL: 4-12

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LEVEL: 5-9

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LEVEL: 5-8

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LEVEL: 4-8

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LEVEL: 7-12
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LEVEL: 7-12

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LEVEL: 4-6

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LEVEL: 7-12

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LEVEL: 7-12

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LEVEL: 7-12

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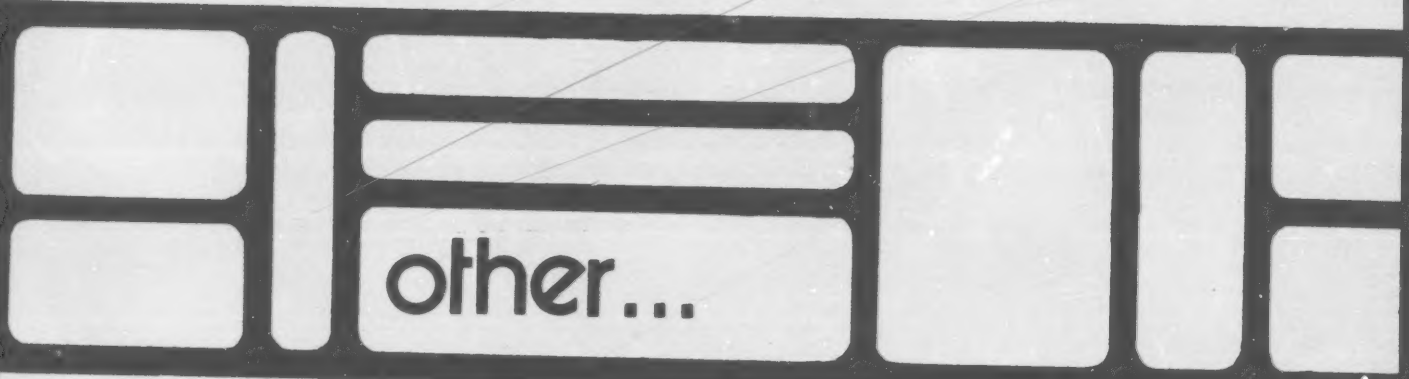
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CASSETTE AUDIO-TAPE

ENERGY CRISIS. ENVIRON. ED. CTR. OTEEN, NC, ENVIRON. ED. CTR.
LEVEL: 5-9
SLIDES

FACTS OF POWER & LIGHT. GTE SYLVANIA INC. DANVERS, MA, GTE SYLVANIA INC., 1974.
SLIDES
CASSETTE AUDIO-TAPE

*GEOLOGY SERIES: ENERGY BUDGET OF THE EARTH. HOLT, RINEHART, WINSTON. NEW YORK, HOLT, RINEHART, WINSTON, 1973.
LEVEL: 10-12
FILM STRIP

SCRIPT (CONT.)

INTL. SYSTEM OF UNITS SERIES: ELECTRIC CURRENT, LUMINOUS INTENSITY, AMOUNT OF SUBSTANCE. CLEARVUE, INC. CHICAGO, CLEARVUE, INC., 1973.
LEVEL: 7-12
FILM STRIP

NATURAL GAS: SCIENCE BEHIND YOUR BURNER. AMER. GAS ASSN. ARLINGTON, VA, AMER. GAS ASSN., 1971.
LEVEL: 4-9
FILM STRIP

PETROLEUM, INSPECTION PACK: NATIONAL TRIAL PRINT. AUSTRALIAN SCIENCE ED. PROJ. COLUMBUS, OH, ERICSMEAC, OHIO STATE UNIV. ED093582 SE016880.

ENERGY: USE IT WISELY AROUND THE HOME. NATL. A-V CTR. WASHINGTON, NATL. A-V CTR.
SLIDES
CASSETTE AUDIO-TAPE
AUDIO-TAPE
FILM STRIP

FUEL FOR FOOD. U.S. NATL. A-V CTR. WASHINGTON, U.S. NATL. A-V CTR.
SLIDES
CASSETTE AUDIO-TAPE
FILM STRIP

SPECIAL EDUCATION

BEATING THE ENERGY CRISIS WITH THE USE OF VIDEO TAPE
V4, N3, P21-3, FALL 1974.
TURNER, K.C. DIV. FOR CHILDREN WITH LEARNING DISABILITIES NEWSLETTER.

MATTER & ENERGY (SPECIAL VERSION) CORONET FILMS.
CHICAGO, CORONET FILMS.
16 MM FILM

READING SKILLS DEVELOPMENT IN CONTENT AREAS. HAMPTON CITY SCH. BD. HAMPTON, VA, HAMPTON CITY SCH. BD., 1973.

SPEECH

ENERGY ALTERNATIVES IN OUR FUTURE. FURGASON, R.
PORTLAND, OR, ENERGY & MAN'S ENVIRONMENT, INC.

WORKSHOP INSTRUCTIONS

ENERGY ALTERNATIVES - SOLAR, WIND & METHANE AND ENERGY CONSERVATION. ECOTOPE GROUP. SNOHOMISH, WA, ECOTOPE GROUP. $.60
(SLIDES)
SLIDES
TESTED: YES

ADDENDUM: PRINT MATERIALS

TEACHER'S GUIDES

COPING WITH THE PROBLEMS OF A TECHNOLOGICAL AGE, PART I & II. IDLEMAN, H.K. ALBANY. NEW YORK STATE DEPT. OF ED., 1973.
LEVEL: 10-12

COUNTDOWN TO A NUCLEAR MORATORIUM. MUNSON, R., ED. WASHINGTON, ENVIRONMENTAL ACTION FOUNDATION, 1976. $2.00
LEVEL: 10-12
ENRICHMENT MATERIAL
STUDENT MATERIAL
CURRICULUM GUIDE
TESTED: NO

CURRICULUM GUIDE FOR THE INDUSTRIAL ARTS FOR JUNIOR HIGH. JOLIET PUBLIC SCHOOLS. JOLIET, IL., JOLIET PUBLIC SCHOOLS
LEVEL: 6-8
CURRICULUM GUIDE

CURRICULUM RESOURCES FOR ENVIRONMENTAL PROGRESS: VOL. 1. KALAMAZOO NATURE CENTER. KALAMAZOO, MI. KALAMAZOO NATURE CTR., 1976. NOTE FOR SALE: ON LOAN FROM ERIC (COLUMBUS, OH.)
LEVEL: 7-12
ENRICHMENT MATERIAL
STUDENT MATERIAL
CURRICULUM GUIDE

ELEMENTARY TEACHERS RESOURCE GUIDE FOR ENVIRONMENTAL EDUCATION "MAN-IN-THE-ENVIRONMENT" ARIZONA DEPT. OF ED. PHOENIX, ARIZONA DEPT. OF ED. FREE
LEVEL: K-9
STUDENT MATERIAL
TESTED: YES

TEACHER'S GUIDES (CONT.)

*ENERGY & ORDER, OR IF YOU CAN'T TRUST THE LAW OF CONSERVATION OF ENERGY, WHO CAN YOU TRUST?: A HIGH SCHOOL TEACHING STRATEGY. TERRY, M. ET AL. SAN FRANCISCO, FRIENDS OF THE EARTH, 1976. $3.00
LEVEL: 7-12
CURRICULUM GUIDE
TESTED: YES

ENERGY CRISIS: TEACHING RESOURCES. CURRY, W., ET AL. SALEM, OREGON STATE DEPT. OF ED., 1974.
LEVEL: 1-12

ENERGY: KEY TO THE FUTURE DUTCHESS COUNTY BOARD OF COOP. ED. SVCS. POUGHKEEPSIE, DUTCHESS COUNTY BOARD OF COOP. ED. SVCS., 1974.
LEVEL: K-12

*ENERGY LEARNING PACKET FOR ENERGY CONSERVATION AWARENESS. COURREGES, E.M. JACKSONVILLE, FL., DUVAL COUNTY SCHOOL BOARD, 1974. $5.65
LEVEL: 4-6
STUDENT MATERIAL
TESTED: NO

ENERGY TODAY & TOMORROW. OCCHUIZZO, J. GREENBURG, WESTERN PENNSYLVANIA POWER CO.
LEVEL: 7-12

*ENVIRONMENTAL EDUCATION: STRATEGIES FOR WISE USE OF ENERGY. NORTH CAROLINA DPI, RALEIGH, NORTH CAROLINA DPI, 1974.
LEVEL: K-12

TEACHER'S GUIDES (CONT.)

FARM ELECTRICITY. VOC. CURRICULUM LAB. MURFREESBORO, TN., VOC. CURRICULUM LAB., 1974.

INTRODUCTION TO TECHNOLOGY: ENERGY, INFORMATION PROCESSES, MACHINES & MATERIALS. DUVALL, B., ET AL. TERRE HAUTE, DIV. OF INDUSTRIAL ED., INDIANA STATE UNIV., 1968.
LEVEL: 9-12
CURRICULUM GUIDE

INVESTIGATING RESOURCE ACQUISITION & USE. SHERIDAN, J. HOUSTON, HARIS COUNTY DEPT. OF ED., 1976. $2.00
LEVEL: 7-9
STUDENT MATERIAL
TESTED: YES

LESS POWER TO THE PEOPLE: ENVIRONMENTAL ENERGY USE. ENVIRONMENTAL ACTION COALITION. NEW YORK, ENVIRONMENTAL ACTION COALITION
LEVEL: 4-6
FIELD TRIP GUIDE
CURRICULUM GUIDE
SLIDES
FILMSTRIP
16 MM FILM
TESTED: YES

*LIVING WITHIN OUR MEANS: ENERGY AND SCARCITY, K-6 & 7-12. JAMASON, B.W. ALBANY, UNIV. OF THE STATE OF NEW YORK, 1974.

MY ENERGY IS YOUR ENERGY. ARIZONA DEPT. OF ED. PHOENIX, ARIZONA DEPT. OF ED. FREE
LEVEL: K-12
TESTED: NO

TEACHER'S GUIDES (CONT.)

NUCLEAR SCIENCE: A HIGH SCHOOL COURSE. BUREAU OF GENERAL & ACADEMIC ED. HARRISBURG, PENNSYLVANIA DEPT. OF ED., 1971.
LEVEL: 10-12
TEXTBOOK
TESTED: YES

POWER: INDUSTRIAL EDUCATION CURRICULUM GUIDE. DEPT. OF VOC. & ADULT ED. OMAHA, OMAHA PUBLIC SCHOOLS, 1971.
LEVEL: 9-12
CURRICULUM GUIDE
STUDENT MATERIAL
SPECIAL EDUCATION: HANDICAPPED/DISADVANTAGED

POWER: PRIME MOVER OF TECHNOLOGY. DUFFY, J.W. BLOOMINGTON, MCKNIGHT & MCKNIGHT PUBL. CO., 1965.
LEVEL: 9-12
LAB MANUAL
STUDENT MATERIAL

POWER: URBAN ENVIRONMENTAL STUDIES ACTIVITIES FOR THE INTERMEDIATE GRADES. SMITH, B.J. ET AL. MINNEAPOLIS, MINNEAPOLIS PUBLIC SCHS., 1976.
LEVEL: 4-6
STUDENT MATERIAL
TESTED: YES

SCIENCE EXPERIENCES FOR YOUNG CHILDREN. ALTHOUSE, R. ET AL. NEW YORK, TEACHERS COLLEGE PRESS, 1975. $15.00
LEVEL: K-3

"SCIENTISTS WORK TOGETHER." CROSS, B. ARLINGTON, VA., AMER. GAS ASSN. ED. SVCS., SEPTEMBER, 1970
LEVEL: 5-7
ENRICHMENT MATERIAL
FILM STRIP
TESTED: YES

TEACHER'S GUIDES (CONT.)

SERIES OF HORIZONTIALLY ARTICULATED PROBLEMS ON POWER & ENERGY. PARTNERSHIP VOC. ED. PROJ. MOUNT PLEASANT, CENTRAL MICHIGAN UNIV., 1967.

STARTING POINTS: ENERGY. SUID, M. PALO ALTO, LEARNING MAGAZINE, 1973. $2.00
LEVEL: K-9
POSTER

THE STORY OF ELECTRICITY: 8 TV UNITS ON THE GENERATION OF ELECTRICITY. CARPENTER, C.K. SPOKANE, SPOKANE PUBLIC SCHS. AND WASHINGTON WATER POWER CO., 1975.
LEVEL: 6
ENRICHMENT MATERIAL
CURRICULUM GUIDE
VIDEO-TAPE
16 MM FILM
TESTED: YES

TEACHER'S HANDBOOK ON ENERGY. COLORADO DEPT. OF ED. DENVER, COLORADO DEPT. OF ED., 1974.
LEVEL: K-12
TESTED: YES

TEACHER'S HOME ECOLOGY BOOK. EAST OHIO GAS CO. CLEVELAND, EAST OHIO GAS CO. $14.00
SLIDES

*TEACHER'S INTRODUCTION TO ENERGY & ENERGY CONSERVATION K-6 & 7-12. BATTELLE, REDSIGN AND RENEWAL. COLUMBUS, OHIO DEPT. OF ED., 1976.
TESTED: NO

THERMAL PHYSICS AND SOLAR ENERGY. BASON, F. STONY BROOK, NY, AMER. ASSN. OF PHYSICS TEACHERS, 1976.
LEVEL: 10-12
TESTED: NO

TEACHER'S GUIDES (CONT.)

THIS ENERGY CRISIS: IS IT REAL? AN INQUIRY-ORIENTED MINI UNIT. CHANGING TIMES ED. SVCS. WASHINGTON, CHANGING TIMES ED. SVCS., 1976. $12.00
LEVEL: 7-12
SPIRIT MASTER
TRANSPARENCIES
TESTED: YES

TOPEKA ENVIRONMENTAL EDUCATION PROJECT: CURRICULUM GUIDE. KING, B. ET AL. TOPEKA, KS, TOPEKA SCH. DIST., 1974. $2.00 PER COPY
STUDENT MATERIAL
CURRICULUM GUIDE
TESTED: YES

USING THE ENVIRONMENT (26 VOL. SET) COLLIS, M., ET AL. NEW YORK, PURNELL ED., 1974. $126.00
LEVEL: K-9
TESTED: YES

WHAT IS A GAS?: A FIND-OUT BOOK OF DEMONSTRATIONS, EXPERIMENTS, IDEAS. WEAVER, B.C. ARLINGTON, VA, AMER. GAS ASSN., 1972.

CURRICULUM GUIDES

COUNTDOWN TO A NUCLEAR MORATORIUM. MUNSON, R., ED. WASHINGTON, ENVIRONMENTAL ACTION FOUNDATION, 1976. $2.00
LEVEL: 10-12
ENRICHMENT MATERIAL
STUDENT MATERIAL
TEACHER'S GUIDE
TESTED: NO

CURRICULUM GUIDE FOR THE INDUSTRIAL ARTS FOR JUNIOR HIGH. JOLIET PUBLIC SCHS. JOLIET, IL, JOLIET PUBLIC SCHS.
LEVEL: 6-8
TEACHER'S GUIDE

CURRICULUM RESOURCES FOR ENVIRONMENTAL PROGRESS: VOL. 1. KALAMAZOO NATURE CTR. KALAMAZOO, MI, KALAMAZOO NATURE CTR., 1976. NOT FOR SALE; ON LOAN FROM ERIC (COLUMBUS, OH)
LEVEL: 7-9
ENRICHMENT MATERIAL
STUDENT MATERIAL
TEACHER'S GUIDE

EARTH SCIENCE CURRICULUM GUIDE. PLANO ISE. PLANO, TX, PLANO ISD.
LEVEL: 7-9
16 MM FILM
TESTED: NO

ENERGY & CAREERS FOR TOMORROW. WOOY, L., ET AL. SANTA BARBARA, SANTA BARBARA SCH. DIST., 1974.
LEVEL: 4-6

*ENERGY & ORDER, OR IF YOU CAN'T TRUST THE LAW OF CONSERVATION OF ENERGY, WHO CAN YOU TRUST?: A HIGH SCHOOL TEACHING STRATEGY. TERRY, M. ET AL. SAN FRANCISCO, FRIENDS OF THE EARTH, 1976. $3.00
LEVEL: 7-12
TEACER'S GUIDE
TESTED: YES

CURRICULUM GUIDES (CONT.)

*ENERGY CONSERVATION: GUIDELINES FOR ACTION. MICHIGAN ASSN. OF SCH. ADMINISTRATORS. LANSING, MICHIGAN ASSN. OF SCH. ADMINISTRATORS, 1974. $ .50

ENERGY CRISIS: A TEACHER'S RESOURCE GUIDE. NEW JERSEY ED. ASSN. TRENTON, NEW JERSEY ED. ASSN., 1974.
LEVEL: K-12

ENERGY CRISIS (THE PAR PAK) PARR, D. SEATTLE, HIGHLINE PUBLIC SCHS. $2.50
LEVEL: 7-9
TESTED: YES

HOME SWEET EARTH (THE MEANEY PAK) MEANY, M. SEATTLE, HIGHLINE PUBLIC SCHS. $2.50
LEVEL: 1-3
TESTED: YES

INDUSTRIAL ARTS POWER MECHANICS: APPLYING SCIENTIFIC PRINCIPLES TO POWER, ENERGY & FORCE. WOODWARD, R.L., ET AL. SACRAMENTO, CALIFORNIA STATE DEPT. OF ED.
LEVEL: 7-12

INTRODUCTION TO TECHNOLOGY: ENERGY, INFORMATION, PROCESSES, MACHINES & MATERIALS. DUVALL, B., ET AL. TERRE HAUTE, DIV. OF INDUSTRIAL ED., INDIANA STATE UNIV., 1968.
LEVEL: 9-12
TEACHER'S GUIDE

LESS POWER TO THE PEOPLE: ENVIRONMENTAL ENERGY USE. ENVIRONMENTAL ACTION COALITION. NEW YORK, ENVIRONMENTAL ACTION COALITION.
LEVEL 4-6
FIELD TRIP GUIDE
TEACHER'S GUIDE
SLIDES
FILM STRIP
16 MM FILM
TESTED: YES

CURRICULUM GUIDES (CONT.)

POWER: INDUSTRIAL EDUCATION CURRICULUM GUIDE. DEPT. OF VOC. & ADULT ED. OMAHA, OMAHA PUBLIC SCHS., 1971.
LEVEL: 9-12
TEACHER'S GUIDE
STUDENT MATERIAL
SPECIAL EDUCATION: HANDICAPPED/DISADVANTAGED

THE STORY OF ELECTRICITY: 8 TV UNITS ON THE GENERATION OF ELECTRICITY. CARPENTER, C.K. SPOKANE, SPOKANE PUBLIC SCHS. AND WASHINGTON WATER POWER CO., 1975.
LEVEL: 6
ENRICHMENT MATERIAL
TEACHER'D GUIDE
VIDEO-TAPE
16 MM FILM
TESTED: YES

TOPEKA ENVIRONMENTAL EDUCATION PROJECT: CURRICULUM GUIDE. KING, B. ET AL. TOPEKA, KS, TOPEKA SCH. DIST., 1974. $2.00 PER COPY
STUDENT MATERIAL
TEACHER'S GUIDE
TESTED: YES

DITTO MASTERS

EXPERIMENTS: PROPERTIES OF GAS & HEAT ENERGY. AMER. GAS ASSN. ARLINGTON, VA, AMER. GAS ASSN.
LEVEL: 8-12

FORCES & MOTION. WESTBROOK, A. REDWOOD CITY, CA, VISUAL MATERIALS INC., 1974. $7.75
LEVEL: 6-9
TRANSPARENCIES
TESTED: YES

THIS ENERGY CRISIS: IS IT REAL? AN INQUIRY-ORIENTED MINI UNIT. CHANGING TIMES ED. SVC. WASHINGTON, CHANGING TIMES ED. SVC., 1976. $12.00
LEVEL: 7-12
TEACHER'S GUIDE
TRANSPARENCIES

FIELD TRIP GUIDE

LESS POWER TO THE PEOPLE: ENVIRONMENTAL ENERGY USE. ENVIRONMENTAL ACTION COALITION. NEW YORK, ENVIRONMENTAL ACTION COALITION.
LEVEL: 4-6
CURRICULUM GUIDE
TEACHER'S GUIDE
SLIDES
FILM STRIP
16 MM FILM
TESTED: YES

ADDENDUM: PRINT MATERIALS (CONT.)

TEACHER BACKGROUND MATERIAL

AN INDEX OF POSSIBILITIES: ENERGY & POWER. THE CATALOGUE. NEW YORK, PANTHEON BKS, 1974. $5.95
LEVEL: 10-12

"CLEAN POWER FROM DIRTY FUELS", OCT. 1972 VOL. 227, 26-35. SQUIRES, A.M. SCIENTIFIC AMERICAN.

"ELEMENTARY SCIENCE NOTES", DEC. '72 VOL. 54, 187, 361-364. SCH. SCI. REVIEW. SCH. SCI. REVIEW.

ENERGY OUTLOOK FOR THE 1980's. U.S. GPO. WASHINGTON, U.S. GPO, 1973. $.65

FAST BREEDER REACTOR. COCHRAN, T.B. BALTIMORE, JOHNS HOPKINS PRESS, 1974. $6.95

*GASOLINE: MORE MILES PER GALLON. U.S. GPO. WASHINGTON, U.S. GPO, 1974. $.35

INSTRUCTIONAL GUIDE FOR ELECTRICITY. GOLDSMITH, J.L. LOS ANGELES, CA, LOS ANGELES CITY SCH., 1967. $4.43
LEVEL: 7-9

"INTEREST IN WIND IS PICKING UP AS FUELS DWINDLE", NOV. 1973, VOL. 4,8. SMITHSONIAN. WASHINGTON, SMITHSONIAN.

NUCLEAR ENERGY & THE FUTURE: POSITION PAPERS 1-6. TIME, INC. NEW YORK, TIME, INC., 1974.

NUCLEAR POWER PLANTS. LYERLY, R.L. OAK RIDGE, TN, U.S. AEC, 1967.

TEACHER BACKGROUND MATERIAL (CONT.)

"SOLAR ENERGY", JUNE 1973, VOL. 5, 16-20. TAMPLIN, A.R. ENVIRONMENT 15.

SOLAR ENERGY: SELECTED REPRINTS. SUNY AT STONY BROOK, AMER. ASSN. OF PHYSICS TEACHERS, 1976.
TESTED: NO

SOLAR ENERGY: TECHNOLOGY & APPLICATIONS. WILLIAMS, J. ANN ARBOR, MI, ANN ARBOR SCI. PUBL., 1974.

STUDENT MATERIAL

COUNTDOWN TO A NUCLEAR MORATORIUM. MUNSON, R., ED. WASHINGTON, ENVIRONMENTAL ACTION FOUNDATION, 1976. $2.00
LEVEL: 10-12
ENRICHMENT MATERIALS
CURRICULUM GUIDE
TEACHER'S GUIDE
TESTED: NO

CURRICULUM RESOURCES FOR ENVIRONMENTAL PROGRESS VOL. 1. KALAMAZOO NATURE CTR. KALAMAZOO, MI, KALAMAZOO NATURE CTR., 1976. NOT FOR SALE; ON LOAN FROM ERIC (COLUMBUS, OH)
LEVEL: 7-12
ENRICHMENT MATERIAL
CURRICULUM GUIDE
TEACHER'S GUIDE

ELEMENTARY TEACHERS RESOURCE GUIDE FOR ENVIRONMENTAL EDUCATION "MAN-IN-THE-ENVIRONMENT" ARIZONA DEPT. OF ED. PHOENIX, ARIZONA DEPT. OF ED. FREE
LEVEL: K-9
TEACHER'S GUIDE
TESTED: YES

ENERGY ACTIVITIES & RESOURCES. ENVIRONMENTAL ED. PROJ. KINGSPORT, TN, KINGSPORT CITY SCHS, 1975.
LEVEL: 7-12

ENERGY & YOU. ENVIRONMENTAL ED. PROJ. TOPEKA, TOPEKA PUBLIC & PAROCHIAL SCHS, 1974.
LEVEL: 2-5
SPECIAL EDUCATION

*ENERGY LEARNING PACKET FOR ENERGY CONSERVATION AWARENESS. COURREGES, E.M. JACKSONVILLE, FL, DUVAL COUNTY SCH. BOARD, 1974. $5.95
LEVEL: 4-6
TEACHER'S GUIDE
TESTED: NO

STUDENT MATERIAL (CONT.)

GREEP ON ENERGY. WYANDOTTE PUBLIC SCHS. WYANDOTTE MI, WYANDOTTE PUBLIC SCHS.
LEVEL: K-12

INVESTIGATING RESOURCE ACQUSITION & USE. SHERIDAN, J. HOUSTON, HARRIS COUNTY DEPT. OF ED., 1976. $2.00
LEVEL: 7-9
TEACHER'S GUIDE
TESTED: YES

MACHINES & ENERGY. BARKER, E.J., ET AL. NEW YORK, ARCO PUBL. CO., INC., 1966. $1.95
LEVEL: 5-9

NATURE & ENERGY. BARKER, E.J., ET AL. NEW YORK, ARCO PUBL. CO., INC., 1966. $1.95
LEVEL: 5-9

POWER: PRIME MOVER OF TECHNOLOGY. DUFFY, J.W. BLOOMINGTON, MCKNIGHT & MCKNIGHT PUBL. CO., 1965.
LEVEL: 9-12
LAB MANUAL
TEACHER'S GUIDE

POWER: URBAN ENVIRONMENTAL STUDIES ACTIVITIES FOR THE INTERMEDIATE GRADES. SMITH, B.J., ET AL. MINNEAPOLIS, MINNEAPOLIS PUBLIC SCHS., 1976.
LEVEL: 4-6
TEACHER'S GUIDE
TESTED: YES

TOPEKA ENVIORNMENTAL EDUCATION PROJECT: CURRICULUM GUIDE. KING, B. ET AL. TOPEKA, KS, TOPEKA SCH. DIST., 1974. $2.00
CURRICULUM GUIDE
TEACHER'S GUIDE
TESTED: YES

WORKBOOK
MACHINES, UNIT III: FORCE & MOTION. NATCHITOCHES CENTRAL HIGH SCH. NATCHITOCHES, LA, NATCHITOCHES CENTRAL HIGH SCH., 1972.
LEVEL: 9

TEXTBOOK
ECOLOGICAL FANTASIES-DEATH FROM FALLING WATERMELONS (CHAPTERS 7,12,13 & 14) ADLER, C.A. NEW YORK, DELL PUBL., 1974. $2.95
LEVEL: 10-12
ENRICHMENT MATERIAL
TESTED: YES

ENERGY: ITS FORMS & CHANGES. BRANDWEIN, P.F., ET AL. NEW YORK, HARCOURT.

NUCLEAR SCIENCE: A HIGH SCHOOL COURSE. BUREAU OF GENERAL & ACADEMIC ED. HARRISBURG, PENNSYLVANIA DEPT. OF ED., 1971.
LEVEL: 10-12
TEACHER'S GUIDE
TESTED: YES

SPECIAL ENGLISH: MARKETING PETROLEUM PRODUCTS. KAY, M., ET AL. NEW YORK, COLLIER-MACMILLAN PUBL., 1974. $3.25
LEVEL: 10-12

UNDERSTANDING ELECTRICITY & ELECTRONICS. BUBAN, P. NEW YORK, MCGRAW-HILL, 1975.
TRANSPARENCIES

ENRICHMENT MATERIAL
AIR POLLUTION CHEMISTRY: AN EXPERIMENTER'S SOURCEBOOK. BASSOW, H. ROCHELLE PARK, NJ, HAYDEN BOOK CO., 1975.
LEVEL: 10-12
LAB MANUAL

COUNTDOWN TO A NUCLEAR MORATORIUM. MUNSON, R., ED. WASHINGTON, ENVIRONMENTAL ACTION FOUNDATION, 1976. $2.00
LEVEL: 10-12
STUDENT MATERIAL
CURRICULUM GUIDE
TEACHER'S GUIDE
TESTED: NO

CURRICULUM RESOURCES FOR ENVIRONMENTAL PROGRESS: VOL. 1. KALAMAZOO NATURE CTR. KALAMAZOO, MI, KALAMAZOO NATURE CTR., 1976. NOT FOR SALE; ON LOAN FROM ERIC (COLUMBUS, OH)
LEVEL: 7-12
STUDENT MATERIAL
CURRICULUM GUIDE
TEACHER'S GUIDE

ECOLOGICAL FANTASIES-DEATH FROM FALLING WATERMELONS (CHAPTERS 7, 12, 13 & 14) ADLER, C.A. NEW YORK, DELL PUBL., 1974. $2.95
LEVEL: 10-12
TEXTBOOK
TESTED: YES

GREAT ENERGY SEARCH. ISRAEL, E. NEW YORK, JULIAN MESSNER, INC., 1974. $5.29
LEVEL: 4-6

NATURAL GAS ENERGY NEWSLETTERS 4-11. AMER. GAS ASSN. ED. SVCS. ARLINGTON, VA, AMER. GAS ASSN. ED. SVCS., FALL 1971-JUNE, 1976.
LEVEL: 7-10
PAMPHLET
TESTED: YES

ENRICHMENT MATERIAL (CONT.)

"SCIENTISTS WORK TOGETHER"
CROSS, B. ARLINGTON, VA, AMER. GAS ASSN. ED. SVCS., SEPTEMBER, 1970.
LEVEL: 5-7
TEACHER'S GUIDE
FILM STRIP
TESTED: YES

SOLAR ENERGY: A PROMISING ALTERNATIVE. BOER, K.W. NEW YORK, NATL. AUDUBON SOCIETY, 1976. $ .35
LEVEL: 7-9
TESTED: NO

THE STORY OF ELECTRICITY: 8 TV UNITS ON THE GENERATION OF ELECTRICITY. CARPENTER, C.K. SPOKANE, SPOKANE PUBLIC SCHS. AND WASHINGTON WATER POWER CO., 1975.
LEVEL: 6
CURRICULUM GUIDE
TEACHER'S GUIDE
VIDEO-TAPE
16 MM FILM
TESTED: YES

PAMPHLET

NATURAL GAS ENERGY NEWSLETTERS 4-11. AMER. GAS ASSN. ED. SVCS. ARLINGTON, VA, AMER. GAS ASSN. ED. SVCS., FALL, 1971-JUNE, 1976
LEVEL: 7-10
ENRICHMENT MATERIAL
TESTED: NO

POSTER

STARTING POINTS: ENERGY. SUID, M. PALO ALTO, LEARNING MAGAZINE, 1973. $2.00
LEVEL: K-9
TEACHER'S GUIDE

LAB MANUALS

AIR POLUTION CHEMISTRY: AN EXPERIMENTER'S SOURCEBOOK. BASSOW, H. ROCHELLE PARK, NJ, HAYDEN BOOK CO., 1975.
LEVEL: 10-12
ENRICHMENT MATERIAL

POWER: PRIME MOVER OF TECHNOLOGY. DUFFY, J.W. BLOOMINGTON, MCKNIGHT & MCKNIGHT PUBL. CO., 1965.
LEVEL: 9-12
STUDENT MATERIAL
TEACHER'S GUIDE

SPECIAL EDUCATION

ENERGY & YOU. ENVIRONMENTAL ED. PROJ. TOPEKA, TOPEKA PUBLIC & PAROCHIAL SCHS., 1974.
LEVEL: 2-3
STUDENT MATERIAL

POWER: INDUSTRIAL EDUCATION CURRICULUM GUIDE. DEPT. OF VOC. & ADULT ED. OMAHA, OMAHA PUBLIC SCHS., 1971.
LEVEL: 9-12
CURRICULUM GUIDE
TEACHER'S GUIDE
STUDENT MATERIAL: HANDICAPPED/DISADVANTAGED